1/8

Figure 1 Nucleotide sequence alignment of LGR6.1 and LGR6.2 and LGR6.

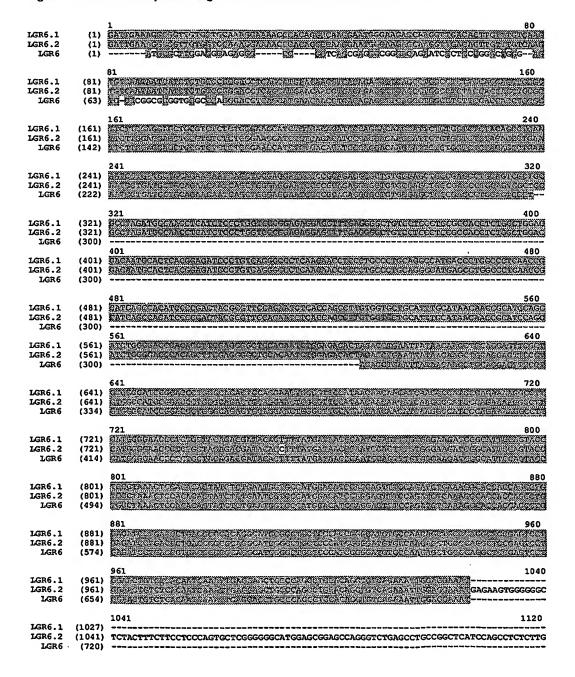


Figure 1 (cont.)

| | . (00.12 | */ | |
|--|--|--|--|
| | | | |
| | | 1121 | 1200 |
| LGR6.1 | (1027) | | ACAMAGE CO |
| LGR6.2 | (1121) | CTGCCCTAGCCGCT2 LANGE AND CGCR TO HE ARTIC SECTION TO THE SECTION CONTRACTORS | CCANGCCT |
| LGR6 | (720) | | |
| | | | *************************************** |
| | | 1201 | 1280 |
| LGR6.1 | (1098) | TOCATES TO CONTRACT CONTRACT CONTRACT TO THE CONTRACT CON | THE TRANSPORT |
| LGR6.2 | (1201) | | ***** |
| LGR6 | (701) | | |
| ngro | (/51) | | |
| | | | |
| | | 1281 | 1360 |
| 6.1 | (1178) | AND CONTRACTOR OF THE CONTRACT | ettecten |
| 6.2 | (1281) | | |
| GR6 | (871) | n dom nach som de de de como como segue de transcrio de la transcrio de la como segue activativa de la como como como como como como como com | CLICELLE |
| | | | |
| | | 1361 | 1440 |
| 6.1 | (1258) | NOT ACCULTURE DISCRIPTION WHO INTEREST TO BE STEED THE GENERAL SECRET DESCRIPTION | TOCCHARG |
| 6.2 | (1361) | PROPERTY OF THE CONTRACT OF TH | ***** |
| GR6 | (953) | ERIC ACCENTATE NAGGE ACTELLECTANA FORGATIC PROCESTO CLINESCE PACIFICACIÓN CTOTO ACTE SITUIÇANO ACACTORES NAGACIÓN DE PAGACIONOS TRADESTANDOS DA CACTORES | |
| 01.0 | (301) | 7.4 | SECRETARIA DE LA COMPANSION DE LA COMPAN |
| | | 1441 | 1520 |
| 6 1 | (1220) | | 020000000000000000000000000000000000000 |
| 6.1 | (1330) | IGNOTORICA CONTRACTOR AND | CT COALL |
| 6.2 | (T44T) | SOME OF THE PROPERTY OF THE PR | CUTCKER |
| GR6 | (1031) | | ELECTION |
| | | | |
| | | 1521 | 1600 |
| 6.1 | (1418) | egg. To the transfer of the tr | arisca (Ca) |
| 6.2 | (1521) | A COURT OF THE STATE OF THE STA | ation agen |
| GR6 | (1111) | AGGECCT/GGGCCTCCTTGCGGGGCAAGCGGAAACCACCAAGACAAGGGCCTGGAGGAGCTGCAGCTCCAA | ATGGAGGA |
| | | · | |
| | | 1601 | 1680 |
| 6.1 | (1498) | THE MARKET ACTUAL TO A PRODUCE ACTUAL ACTUAL PROPERTY OF THE SECOND ACTUAL ACTU | ON TONE CO. |
| 6.2 | (1601) | Property of the second of the | ***** |
| GR6 | (1191) | | |
| GILO | (1131) | | |
| | | 1681 | 1760 |
| | /1 F701 | | 1760 1760 1760 |
| 6.1 | (1578) | THE PROPERTY OF THE PROPERTY O | |
| 6.2 | (1681) | | TCCCPCC |
| GR6 | (1271) | | TOSCING |
| | | | |
| | | 1761 | 1840 |
| 6.1 | (1658) | | TOURSTEE |
| 6.2 | (1761) | | |
| GR6 | (1351) | | |
| | | | CCTGTG |
| | | | C TOIL |
| | | 1841 | 1920 |
| 6.1 | (1738) | 1841 | 1920 |
| | (1738) | 1841 | 1920 |
| 6.2 | (1841) | 1841 ECTIVITATION CARROCATICA CONCADENTITE PROACTIVETON CHETANGO ACCORDING FARENCIS SEC CLITTIPE ACCITENTANCATICA CARROCATINA CONTRACTOR ACCORDING | 1920 |
| | (1841) | 1841 | 1920 |
| 6.2 | (1841) | 1841 EPTECTARIO CARRANTES OF ADALTTERS ASTRUCTORACTA GENERO STOP FIDATE STREET CETTO FASCETERATORATES ELECTROS AGENETOS AGENETAS | 1920 757 857 867 867 |
| 6.2 GR6 | (1841) (1431) | 1841 ET DECTARCA CARGACIA CARGACIA PETERRE AGUILLA CARGACIA CARGACIA CARGACIA PROGRAMATO SE CARGACIA | 1920 1920 1937 1937 2000 |
| 6.2 GR6 | (1841) (1431) (1818) | 1841 ET DECTARCA CARGACIA CARGACIA PETERRE AGUILLA CARGACIA CARGACIA CARGACIA PROGRAMATO SE CARGACIA | 1920 1920 1937 1937 2000 |
| 6.2 GR6 6.1 6.2 | (1841) (1431) (1818) (1921) | 1841 CONTROL OF THE THE CONTROL OF | 1920 1920 1923 1924 2000 1923 1924 1924 |
| 6.2 GR6 | (1841) (1431) (1818) (1921) | 1841 CONTROL OF CAST CAST CAST CAST CAST CAST CAST CAST | 1920 1920 1937 1937 2000 |
| 6.2 GR6 6.1 6.2 | (1841) (1431) (1818) (1921) | 1841 ETTECTABLE CONTROL CONTROL CONTROL CONTROL CONTROL CANADA CONTROL CANADA CONTROL CANADA CONTROL CANADA CONTROL CONTROL CANADA CONTROL CONTROL CANADA CONTROL CON | 1920 2000 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) | 1841 ETTOTAL CARTONIC CONTROL TERROR TO THE TOTAL CARTONIC CONTROL TO THE TOTAL CARTONIC CONTROL TO THE TOTAL CARTONIC CONTROL CONT | 1920 1920 1935 G 2000 1936 G 1936 G 2080 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) | 1841 ETTOTAL CARTONIC CONTROL TERROR TO THE TOTAL CARTONIC CONTROL TO THE TOTAL CARTONIC CONTROL TO THE TOTAL CARTONIC CONTROL CONT | 1920 1920 1935 G 2000 1936 G 1936 G 2080 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) | 1841 ETTECTARE TO ACT AND ETTECTE ASTRECT CACTA GLACKO STOCKARATORISES CITY PROCESSAN CALLED CONTROL OF TOUR DOOR TO ACT | 1920 1920 1920 2000 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) | 1841 CONTROL OF CONTROL OF SECURITY TERROR OF THE CONTROL OF SECURITY ASSESSMENT OF SECURI | 1920 1920 1920 2000 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) | 1841 ETTECTARE TO ACT AND ETTECTE ASTRECT CACTA GLACKO STOCKARATORISES CITY PROCESSAN CALLED CONTROL OF TOUR DOOR TO ACT | 1920 1920 1920 2000 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) (1591) | 1841 ETTECTAGE CARACTE POR DATTER CASTRET CARACTE GEAGE OF STOCKARATE SEES CONTROL OF THE STOCKARATE SEES CASTRET CAS | 1920 1167 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) (1591) | 1841 ETTECTAGE CARACTE POR DATTER CASTRET CARACTE GEAGE OF STOCKARATE SEES CONTROL OF THE STOCKARATE SEES CASTRET CAS | 1920 1167 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) (1591) | 1841 ETTECTAGE CARACTE POR DATTER CASTRET CARACTE GEAGE OF STOCKARATE SEES CONTROL OF THE STOCKARATE SEES CASTRET CAS | 1920 1167 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) (1591) | 1841 ETTECTAGE CARACTE POR DATTER CASTRET CARACTE GEAGE OF STOCKARATE SEES CONTROL OF THE STOCKARATE SEES CASTRET CAS | 1920 1167 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1898) (2001) (1591) | 1841 CETTS AGGINATES AND CONTROL OF A CONTROL OF AGGINE CONTROL OF AGGINE A CONTROL O | 1920 1167 2000 2080 2080 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1998) (2001) (1591) (1978) (2081) (1671) | 1841 CTTV ASCETORATE ATTRECT AND TOTAL TO | 1920 1932 2000 1933 2080 1933 2080 1933 1933 1933 2160 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1998) (2001) (1591) (1978) (2081) (1671) | 1841 CTTV ASCETORATE ATTRECT AND TOTAL TO | 1920 1932 2000 1933 2080 1933 2080 1933 1933 1933 2160 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1998) (2001) (1591) (1978) (2081) (1671) | 1841 CTTV ASCETORATE ATTRECT AND TOTAL TO | 1920 1932 2000 1933 2080 1933 2080 1933 1933 1933 2160 |
| 6.2 GR6 6.1 6.2 GR6 6.1 6.2 GR6 | (1841) (1431) (1818) (1921) (1511) (1998) (2001) (1591) (1978) (2081) (1671) | 1841 ETTO ACCUSTOR TO ATTACH CONSIDER TO THE PLANT OF ACCUSTOR ACCUSTOR AND THE PLANT OF ACCUSTOR ACC | 1920 1932 2000 1933 2080 1933 2080 1933 1933 1933 2160 |

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Figure 1 (cont.)

| LGR6.1 | (2138) | ECZIACRICAAACTGOACTOROPO: TOCKT GGET CONCURRENCE CONTROL CANTENDED TO TOTAL TOTAL | 2320 |
|--------------------------|----------------------------|--|--|
| LGR6.2 | (2241) | | 4,60 0 00 |
| LGR6 | (1831) | | 10 0 0 0 0 0 0 |
| LGR6.1 LGR6.2 LGR6 | (2218) (2321) (1911) | 2321 U.G. TEARCH CONTINUES AND THE TRANSPORT OF T | 2400 13 13 13 |
| 16.1 | (2298) | PERCONCERNIC ACCUSE AND EXPLORED TO SECURE TRANSPORT OF THE PERCONAGE AND ASSESSMENT OF THE PERCONAGE ASSESSMENT OF THE PERCONAGE ASSESSMENT OF THE PERCONAGE ASSESSMENT OF THE PERCONAGE ASSE | 2480 |
| 16.2 | (2401) | | TGUALTIGE G |
| .GR6 | (1991) | | TGVAC 15 77 |
| 16.1 16.2 GR6 | (2378) (2481) (2071) | | 07474771G056G |
| :6.1 :6.2 :GR6 | (2458) (2561) (2151) | 2561 DESCRIPTION OF THE PROPERTY OF THE PROPE | 2640 |
| :6.1 :6.2 :GR6 | (2538) (2641) (2231) | GALECTISCO COCCO TESSOCOS ESCOTORICO CON CONCORDO ANTONIO DE CONCORDO DE CONCORDO DE CONCORDO DE CONCORDO DE C | 2720 CB 555 TG 555 CB 545 CB 545 CB 545 |
| .6.1 .6.2 GR6 | (2618) (2721) (2311) | 2721 DESAGNOTISCHESCONDECATESTE DANGECONGNOTISCHESTETTUGGANGECONNESTE COMP DESAGNOTISCHESCONDENTISCHAGECONGNOTISCHESCONDINGENOTISCHESCONDINGEN DESAGNOTISCHESCONDECATESTEREN AUGSBORGE CHEST STREET AUGSBORGE COMP DESAGNOTISCHESCONDINGEN AUGSBORGE CHEST STREET AUGSBORGE COMP | 2800 |
| .6.1 | (2698) | 2801 LET OF THE GEORGE AND THE CONTROL OF THE CONT | 2880 |
| .6.2 | (2801) | | 10 17 05 11 |
| GR6 | (2391) | | 10 17 05 11 |
| .6.1 6.2 GR6 | (588T) | | 2960 CGCTCAATGES CGCTCAATGES |
| 6.1 | (2858) | | 3040 |
| 6.2 | (2961) | | SETCEACTGATC |
| GR6 | (2485) | | SETCEACTGATC |
| 6.1 | (2938) | ACCTCTCTCTCTGFGKCCATCACCAACGCGTGCCTGTGGCCTGGCCTFTCCCTTTGGCCTTCCTCAGCTT | 3120 |
| 6.2 | (3041) | | ACCUTGATACT |
| GR6 | (2485) | | SACCUTGATACT |
| 6.1 | (3018) | 3121 | 3200 |
| 6.2 | (3121) | SCGCCTCTTCCTCGCATGTCTGAAGCTCTGGACCAGACCTGGACTTTGTCTCCCTTAAGCGAAAT | DAGGGRÆTTAA |
| GR6 | (2485) | GGCCTCTTGCTTGECATGTCTCAAGGTCTGGACAAGACCTGGACTTTTTTGTCTCCTTAAGGGAAAT | DAGGGAAGTAA |
| 6.1 | (3098) | 3201 | 32 80 |
| 6.2 | (3201) | GACAGTORAGOGOTOGAGOCTTGATICAGAS ARAGTOGACAGOGAGACTTCACAGAAAAGGCCTCGA | AGGTGATTTCCT |
| 3R6 | (2485) | GARAGTGAAGGGGTGGACGGTTGATCAGGGGARAGGGAGAGGAAACCTCAGAGAAAAGGCCTCGA | NGGTGATTTCCC |
| 6.1 | (3178) | ETGTGACTCATGGATAGGATAGAAARGDGTGCCATGTACCATTRATGTTGACATATGCCATGCATAA | 3360 |
| 6.2 | (3281) | | AGACTICETATI |
| 3R6 | (2485) | | AGACTICCTATI |

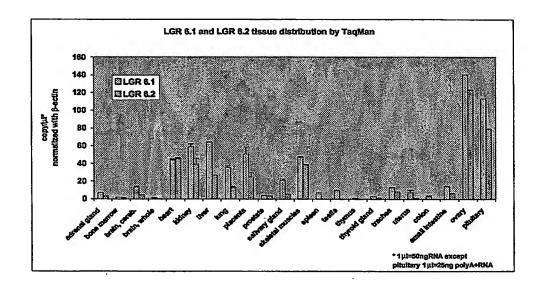
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Figure 1 (cont.)

| LGR6.1 LGR6.2 LGR6 | (3258) (3361) (2485) | 3361 3440 FARTING TIGGARGESTTSCARRARIA RAMARANA RAMARAAAAAAAAAAAAAAAAAAAAAAAA |
|--------------------------|----------------------------|--|
| | | 3441 3451 |
| LGR6.1 | (3307) | |
| LGR6.2 | (3441) | AAAAAAAAA |
| GR6 | (2485) | |

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Figure 2



| F | 'n | u | m | 3 |
|---|----|---|---|---|
| | | | | |

| GR6 | MRLEGEGRSARAGQNLSRAGSARRGAPRDLSMNNLTELQPGLFHHLRFLEELRLSGNHLS |
|-------------|--|
| GR6.1 | MGRPRLTLVCQ-VSIIISARDLSMNNLTELQPGLFHHLRFLEELRLSGNHLS |
| GR6.2 | MGRPRLTLVCQ-VSIIISARDLSMNNLTELQPGLFHHLRFLE ELRLSGNHLS |
| | *. * : . * : * *** ****************** |
| GR6 | HIPGOAFSGLYSLKILMLONNOLGGIPAEALWELPSLQSL |
| GR6.1 | HIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQSLRLDANLISLVPERSFEGLSS |
| .cR6.2 | HIPGQAFSGLYSLKILMLQNNQLGGIPAEALWELPSLQSLRLDANLISLVPERSFEGLSS |
| | ****************** |
| ₹6 | ************************************** |
| ₹6.1 | LRHLWLDDNALTEIPVRALNN LPALQAMTLALNRISHIPDYAFQNLTSLVVLHLHNNRIQ |
| ₹6.2 | LRHLWLDDNALTEIPVRALNNLPALQAMTLALNRISHIPDYAFQNLTSLVVLHLHNNRIQ |
| ₹6 | |
| ₹6.1 | DINYNKIQEFPVAIRTIGRIQEIGFHNNN IKAIPEKAFMGNPLL |
| ₹6.2 | HIGTHSFEGLHNLETLDLNYNKIQEFFVAIRTIGRIQEIGFHNNNIKAIPEKAFMGNPLL HIGTHSEEGIUNIETIDINVNKIOFEBUATERI ORI ORI ORI ORINNIKA IBRKAFMGNPLI |
| 10.2 | HLGTHSFEGLHNLETLDLNYNKLQEFPVAIRTLGRLQELGFHNNNIKAIPEKAFMGNPLL *********************************** |
| ₹6 | QTIHFYDNPIQFVGRSAFQYLPKLHTLSLNGAMDIQEFPDLKGTTSLEILTLTRAGIRLL |
| ₹6.1 | QTIHFYDNPIQFVGRSAFQYLPKLHTLSLNGAMDIQEFPDLKGTTSLEILTLTRAGIRLL |
| 16.2 | QTIHLYDNPIQFVGRSAFQYLPKLHTLSLNGAMDIQEFPDLKGTTSLEILTLTRAGIRLL |
| | ****:******* |
| 16 ΄ | PSGMCQQLPRLRVLELSHNQIEELPSLHRCQKLEEIGLQHNRIWEIGADTFSQLSSLQAL |
| ₹6.1 | PSGMCQQLPRLRVLELSHNQIEELPSLHRCQKLEEIGLQHNRIWEIGADTFSQLSSLOAL |
| ₹6.2 | PSGMCQQLPRLRVLELSHNQIEELPSLHRCQKLEEMRS |
| | ********** |
| 16 | DLSWNAIRSIHPEAFSTLHSLVKLDLTDNQLTTLPLAGLGGLMHLKLKGNLALSQAFSKD |
| ₹6.1 | DLSWNAIRSIHPEAFSTLHSLVKLDLTDNQLTTLPLAGLGGLMHLKLKGNLALSQAFSKD |
| 16.2 | *** .* |
| | |
| t6 | SFPKLRILEVP VAYOCCPYGMCASFFKASGQWEAEDLHLDDEESSKRPLGLLARQAENHY |
| 16.1 | SFPKLRILEVP YAYOCCPYGMCASFFKASGQWEAEDLHLDDEESSKRPLGLLARQAENHY |
| t6.2 | ARGAWSGARV |
| | * * * : |
| :6 | DQDLDELQLEMEDSKPHPSVQCSPTP GFFKPCEYLFESWGIRLAVWAIVLLSVLCNGLVL |
| 16.1 | DQDLDELQLEMEDSKPHPSVQCSPTP GPFKPCEYLFESWGIRLAVWAIVLLSVLCNGLVL |
| :6.2 | Constant Colon vi Colonia |
| | |
| :6 | LTVFAGGPVPLPPVKFVVGAIAGANTLTGISCGLLASVDALTFGOFSEYGARWETGLGCR |
| 16.1 | LTVFAGGPVPLPFVKFVVGA1AGANTLTGISCGLLASVDALTFGQFSEYGARWETGLGCR |
| 16.2 | |
| :6 | atgflavlgseasvliltlaavqcsvsvscvraygkspsigsvragvigclalaglaaal |
| :6.1 | ATGFLAVLGSEASVILLITLAAVQCSVSVSCVRAYGRSPSLGSVRAGVLGCLALAGLAAAL |
| :6.2 | WIGHT THE PROPERTY AND THE WAY AND AN ACCOUNT OF THE WAY THE THE WAY T |
| | |
| :6 | PLASVGEYGASPLCLPYAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLP |
| :6.1 | PLASVGEYGASPLCLPYAPPEGQPAALGFTVALVMMNSFCFLVVAGAYIKLYCDLP |
| :6.2 | |
| | |
| .6 | Eavwdcamvrhvawlifadgllycpvaflsfasmlglfpvtpeavksvllvvlplpacln |
| .6.1 | EAV WDCAMVRHVAWLIFADGLLYCPVAFLSFASMLGLFPVTPEAVKSVLLVVLPLPACLN |
| .5.2 | |

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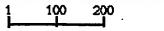
Figure 3 (cont.)

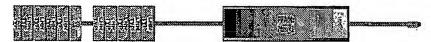
| LGR6 | PLLYLLFNPHFRDDLR RLRPRAGDSGPLAYAAAGELEKSSCDSTQALVAFSDVDLILEAS |
|--------|---|
| LGR6.1 | PLLYLLFNPHFRDDLRRLRPRAGDSGPLAYAAAGELEKSSCDSTQALVAFSDVDLILEAS |
| LGR6.2 | |
| LGR6 | EAGRPPGLETYGFPSVTLISCQQPGAPRLEGSHCVEPEGNHFGNPQPSMDGELLLRAEGS |
| LGR6.1 | EAGRPPGLETYGFPSVTLISCQQPGAPRLEGSHCVEPEGNHFGNPQPSMDGELLLRAEGS |
| LGR6.2 | |
| 36 | TPAGGGLSGGGFOPSGLALLHTY |
| 36.1 | TPAGGGLSGGGFOPSGLAFASHV |
| 36.2 | |
| | |

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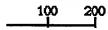
Figure 4.

Domains within the query sequence LGR6 of 828 residues



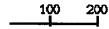


mains within the query sequence LGR6.1 of 915 residues





mains within the query sequence LGR6.2 of 348 residues





Insmembrane segments as predicted by the <u>TMHMM2</u> program (), coiled coil regions determined by Coils2 program () and Segments of low compositional complexity, determined by the <u>SEG</u> program, signal peptides determined by the <u>Sigcleave</u> program (), GPI anchors are indicated by (), gions containing repeats detected by <u>Prospero</u>, but not covered by domains are indicated by ().